CLAIMS

I claim:

1. A computer system comprising:

5 a computer network;

one or more client computers connected to the computer network;

a plurality of server computers connected to the computer network;

a plurality of server computer programs executable by the plurality of server computers,

wherein one or more of the server computer programs comprise computer instructions for:

receiving an initial request for an address of one of the server computers from one of the client computers;

selecting one of the server computers based on status;

sending to the client computer an address of the selected server computer; receiving a subsequent request for an address of the selected server computer; and sending to the client computer an address for the selected server computer.

2. The computer system of claim 1, wherein the server computer programs further comprise computer instructions for:

in response to said subsequent request,

determining whether the selected server computer
is operational; and

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if the selected server computer is not operational, selecting a new server computer based on status and sending the address of the new server computer to the client computer.

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- 3. The computer system of claim 1, wherein the subsequent request includes a Site Name.
- 4. The computer system of claim 3, wherein at least one of the server computers is a DNS Failover server authoritative for the Site Name.
 - 5. The computer system of claim 4, wherein the initial request includes a Pool Name.

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6. The computer system of claim 5, wherein at least one of the server computers is a DNS Load Balance server authoritative for the Pool Name.

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7. The computer system of claim 6, wherein the DNS LB server and the DNS FO server are programs executed by a single computer

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- 8. The computer system of claim 6, wherein the DNS LB server and the DNS FO server are programs executed by separate computers.
 - 9. The computer system of claim 4, wherein the initial request includes a Group Name.

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DETAILED ACTION

Claims 1-36 are currently pending in this application.

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. There has been no computer readable form submitted with this application. Applicant is also reminded that the sequence rules apply to nucleotide sequences which appear in the claims, the written disclosure and the Figures/Drawings. It is noted that this application contains disclosure of amino acid sequences in the drawings which are not in conformance with the sequence requirements.

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Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, Applicant is required, in response to this action, to elect a single invention to which the claims must be restricted.

- Group I, claim(s) 1-29 and 36, drawn to a recombinant GAD-65 or proinsulin peptide, a method of assay using the peptide and a composition classified in class 530, subclass 350 and class 435, subclass 7.1.
- Group II, claim(s) 30-35, drawn to a method of treatment with a recombinant GAD-65 or proinsulin peptide classified in class 514, subclass 12.
- 2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special

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technical features for the following reasons: The method of Group II entails the administration of peptide to a subject in vivo, while the method of Group I is an in vitro procedure which examines the reactivity of isolated T cells to said peptides.

3. A telephone call was made to Mr. Peter Bernstein on July 25, 1997 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

Conclusion

5. Papers related to this application may be submitted to group 1800 by facsimile transmission. Papers should be faxed to group 1800 via the PTO Fax Center located in Crystal Mall 1. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The fax phone number for official documents to be entered into the record for Art Unit 1816 is (703)305-3014. Communications which are not to be entered into the record, such as proposed amendments, should be clearly marked "DRAFT" and faxed to (703)305-7939.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to F. Pierre VanderVegt, whose telephone number is (703)305-6997. The examiner can normally be reached Monday through Friday from 8:00 am to 4:30 pm ET. A message may be left on the examiner's voice mail service. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Christina Chan can be reached at (703)308-3973. Any inquiry of a general nature or relating to the status of this application should be directed to the group 1800 receptionist, whose telephone number is (703)308-0196.

July 30, 1997 F. Pierre VanderVegt, Ph.D.

> CHRISTINA Y. CHAN SUPERVISORY PATENT EXAMINER GROUP 1800

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29 May 15, 1990 and at 55 FR 18230, May 1, 1990.
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e). 7. Other: SEQUENCES ARE DISCLOSED IN THE SPECIFICATION/DRAVINGS WHICH ARE
NOT INCLUDED IN THE SEQUENCE LISTING Applicant must provide:
An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"
An-initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification A statement that the content of the paper and computer readable copies are the same
and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)
For questions regarding compliance with these requirements, please contact:
For Rules Interpretation, call (703) 308-1123 For CRF submission help, call (703) 308-4212

Please return a copy of this notice with your response.

For PatentIn software help, call (703) 557-0400

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- 20. The method of claim 19, wherein the initial request includes a Pool Name.
- 5 21. The method of claim 20, wherein at least one of the server computers is a DNS Load Balance server authoritative for the Pool Name.
- 22. The method of claim 21, wherein the DNS LB

 10 server and the DNS FO server are programs executed by a single computer.
 - 23. The method of claim 21, wherein the DNS LB server and the DNS FO server are programs executed by separate computers.
 - 24. The method of claim 19, wherein the initial request includes a Group Name.
- 25. The method of claim 24, wherein at least one of the server computers is a DNS Load Balance server authoritative for the Group Name.
- 26. A method for distributing load among a
 25 plurality of server computers connected to one or more
 client computers via a computer network, the method
 comprising:

determining whether one of the client computers has previously maintained a session with one of the server computers;

extracting a host name from the first communication request not in session;

determining whether the host name extracted from the first communication request not in session is a Site Name for the server, a Site Name for another server, a Group Name, or a Pool Name;

redirecting the request to the Site Name for the server when the extracted host name is a Group Name or other server Site Name;

redirecting the request to the Site Name for the server when the extracted host name is a Pool Name and the server is in the proper group;

performing both the above redirections such that a flag is introduced;

redirecting the request to the proper Group Name when the extracted host name is a Pool Name and the server is in an improper group; and

redirecting the request to the proper Group

Name when the extracted host name is the Site Name
for the server and the flag has not been
introduced.

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27. The method of claim 26, further comprising: if the extracted host name is the Site Name for the server and the flag has been introduced, initiating a new session for the client computer with the server computer and delivering a page to the client computer from the server computer.

28. The method of claim 27, further comprising selecting a Group Name based on properties of the 30 request.

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- 29. The method of claim 27, further comprising performing admission control load overflow.
- 30. The method of claim 26, wherein the computer 5 network is the Internet.
 - 31. A computer-neadable storage medium comprising a server computer program executable by at least one of a plurality of server computers connected to one or more client computers over a computer network, the server computer program comprising computer instructions for:

receiving an initial request for an address of one of the server computers from one of the client computers;

selecting one of the server computers based on status;

sending to the client computer an address of the selected server computer;

receiving a subsequent request for an address of the selected server computer; and

sending to the client computer an address for the selected server computer.

32. A computer-readable storage medium comprising a server computer program executable by at least one of a plurality of server computers connected to one or more client computers over a computer network, the server computer program comprising computer instructions for:

determining whether one of the client computers has previously maintained a session with one of the server computers;

extracting a host name from the first communication request not in session;

determining whether the host name extracted from the first communication request not in session is a Site Name for the server, a Site Name for another server a Group Name, or a Pool Name;

redirecting the request to the Site Name for the server when the extracted host name is a Group Name or other server Site Name;

redirecting the request to the Site Name for the server when the extracted host name is a Pool Name and the server is in the proper group;

performing both the above redirections such that a flag is introduced;

Name when the extracted host name is a Pool Name and the server is in an improper group; and

redirecting the request to the proper Group Name when the extracted host name is the Site Name for the server and the flag has not been introduced.

33. The computer-readable storage medium of claim 32, wherein the server computer program further comprises computer instructions for:

if the extracted host name is the Site Name for the server and the flag has been introduced, initiating a new session for the client computer

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with the server computer and delivering a page to the client computer from the server computer.

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